



Lifecycle Management of Offshore Structures – E&P



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Summary

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- **E&P Offshore Structures in numbers**
 - **Background**
 - **Schematic Lifecycle of Offshore Structures**
 - **Scope of management**
 - **How to manage?**
 - **Conclusions**
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E&P Offshore Structures in numbers

- 138 platforms in operation (PB)
 - 85 Fixed Platforms
 - 20 Ship shaped FPSO/FSOs
 - 22 Semi-submersibles
 - 2 Jackups
 - 1 TLWP

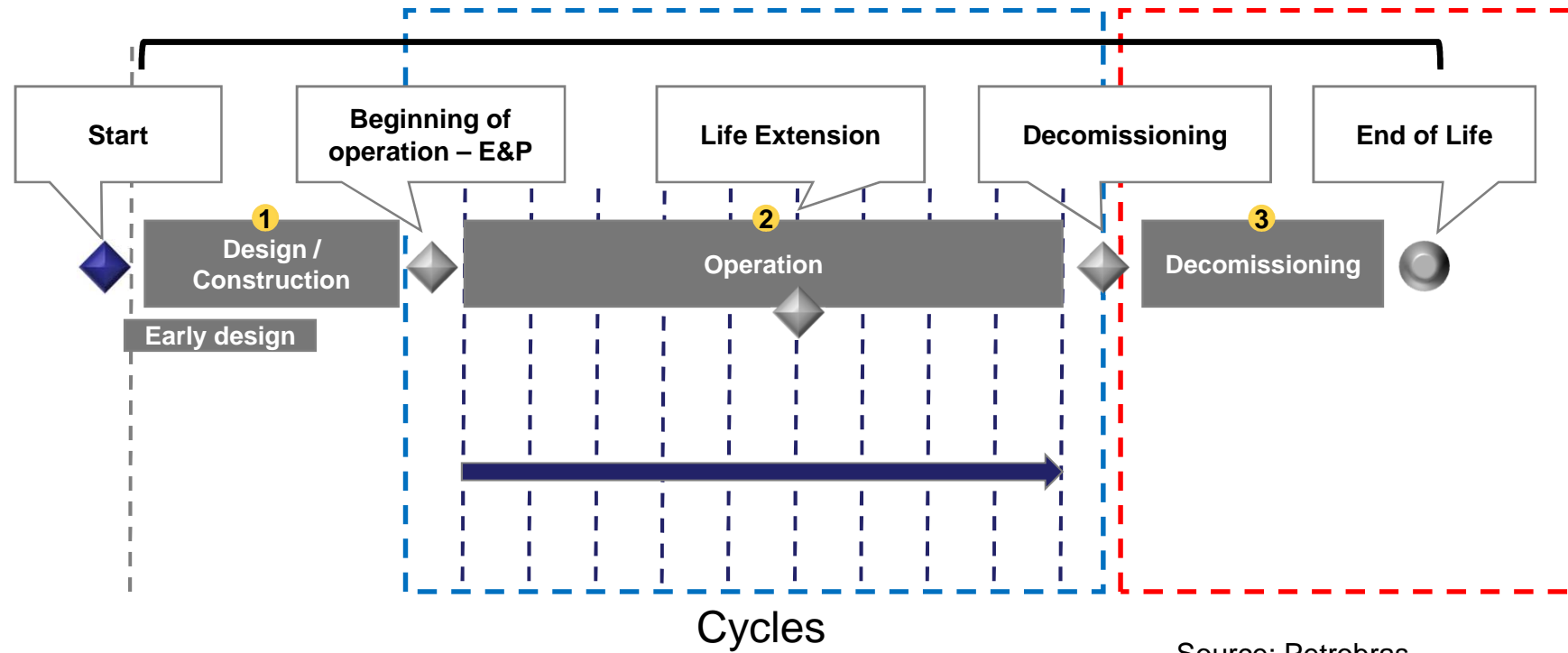


Source: Google Maps

Background

- ✓ Legal Compliance requirements
- ✓ Class Societies new rules
- ✓ Regulatory improvements
- ✓ Environmental concerns
- ✓ HSE requirements
- ✓ Necessity of quick answers
- ✓ Ageing Assets
- ✓ Low oil price scenario

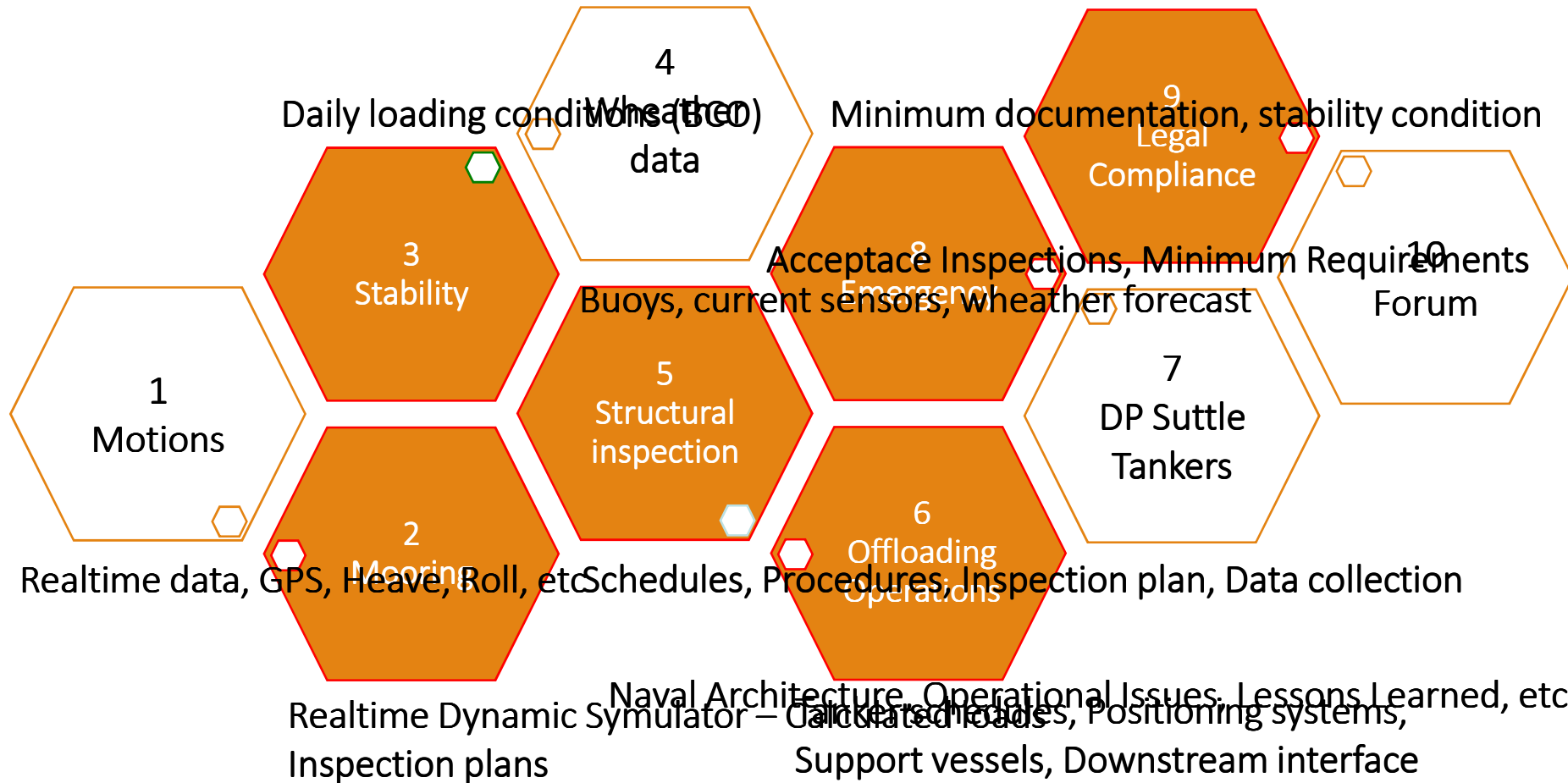
Schematic Lifecycle of Offshore Structures



Source: Petrobras

Scope of management

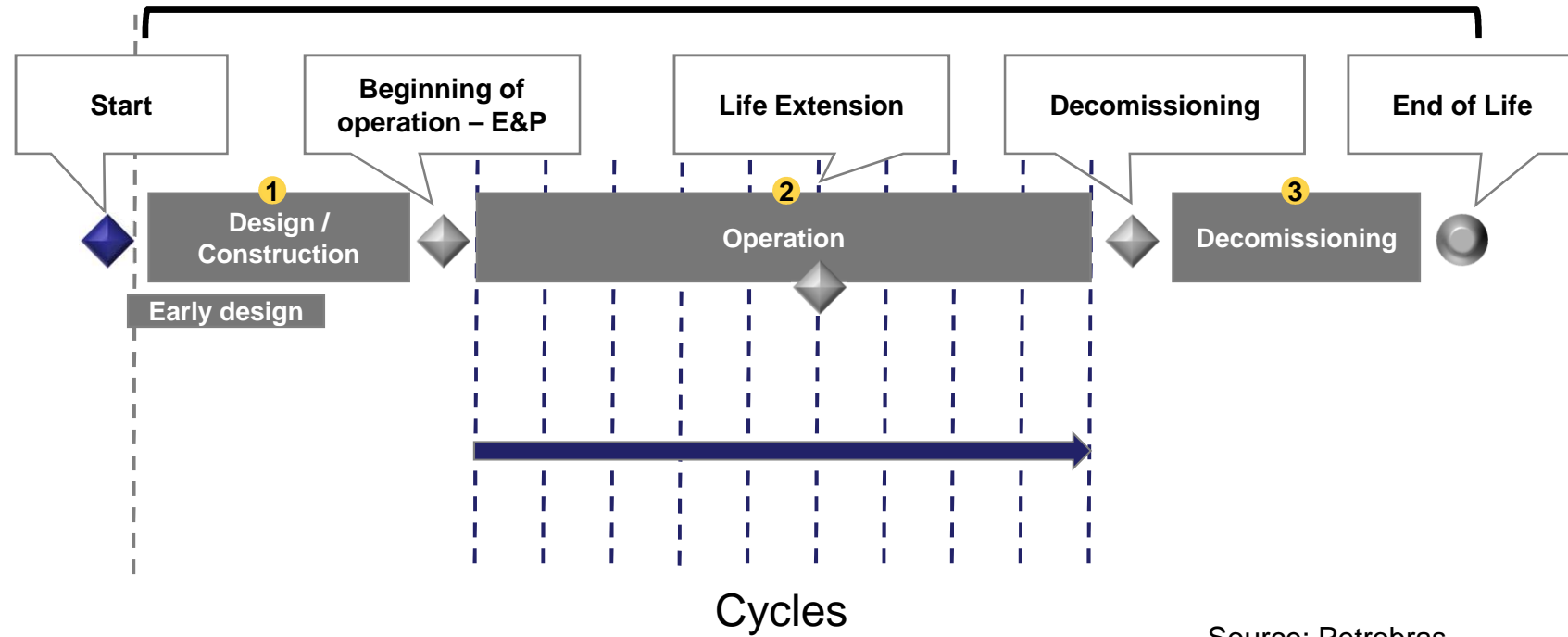
Crew training, Certificates, Licences, Statutory docs, Regulations, Rules



How to manage all this?



Schematic Lifecycle of Offshore Structures



● Phases

Source: Petrobras

Conclusions

Adopting a lifecycle management, by collecting and organising lots of information since the early stages of the operation, gives the operator a high predictability of operational issues.

By having all the necessary information in hands, technical team can help managers to take their decisions.

It is a tremendous effort to make it happen!!!



